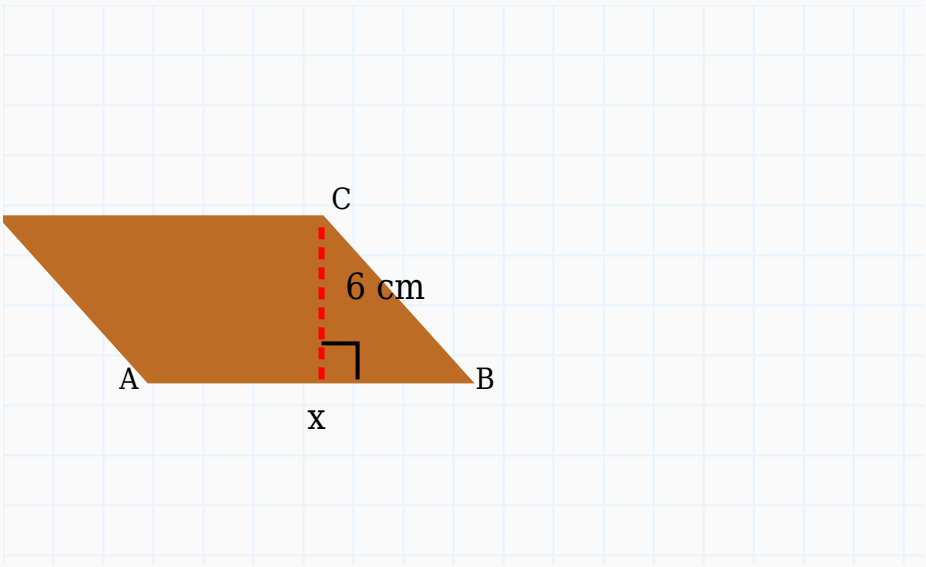
Area of Parallelogram Worksheet

Question 1

Find the base of the parallelogram shown below.



Solution:

Formula:
Base = Area ÷ Height

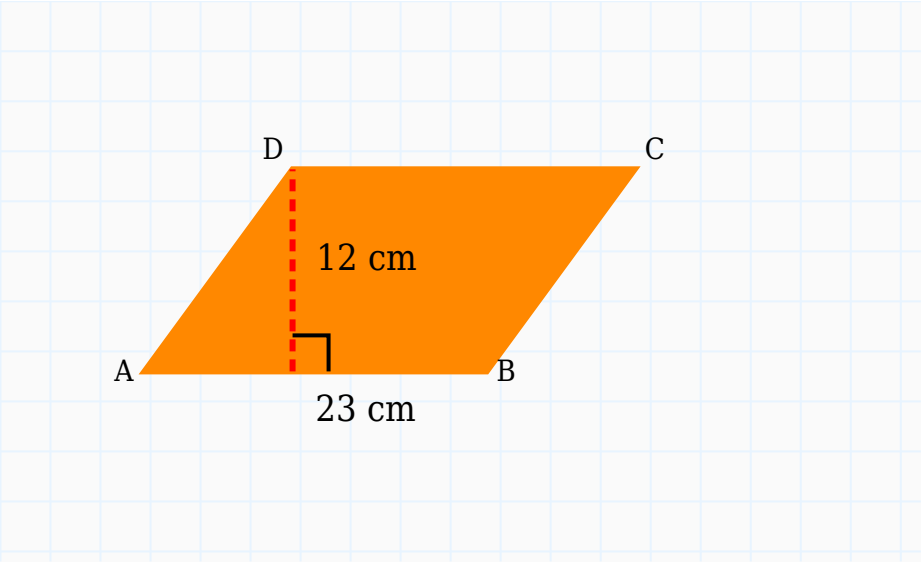
Base = 72 ÷ 6

Base = 12 cm

Answer: 12 cm

Question 2

Find the area of a parallelogram with base 23 cm and height 12 cm.



Solution:

Formula:
Area = Base × Height

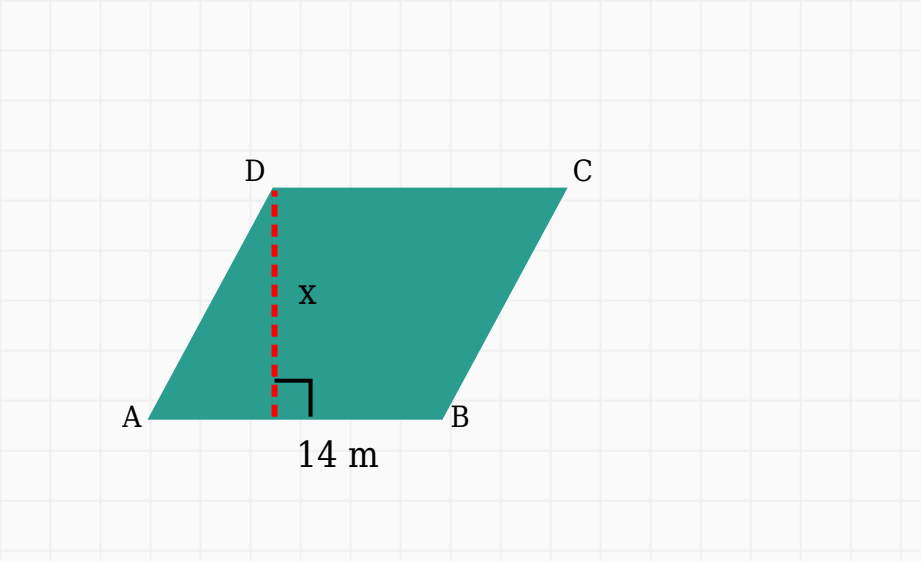
Area = 23 × 12

Area = 276 cm²

Answer: 276 cm²

Question 3

The area of a parallelogram is 98 m² and base is 14 m. Find the height.



Solution:

Formula:
Height = Area ÷ Base

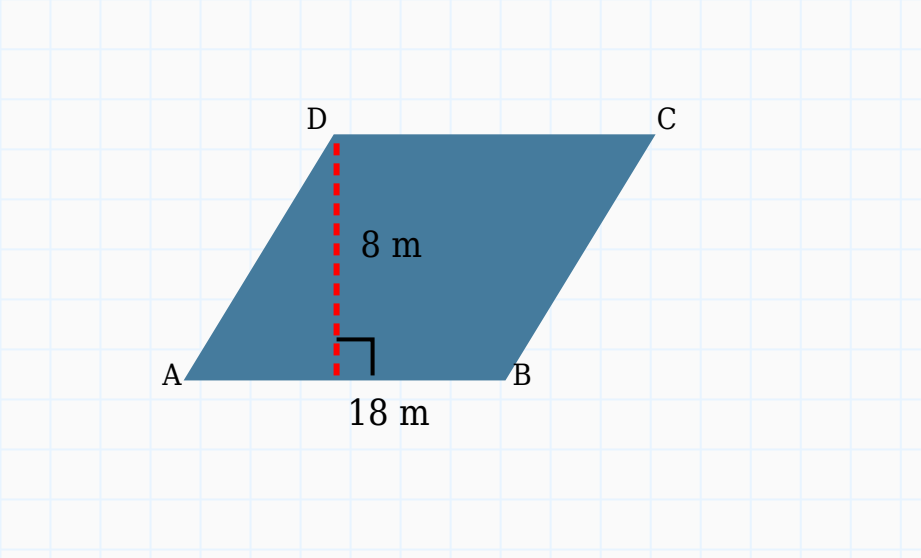
Height = 98 ÷ 14

Height = 7 m

Answer: 7 m

Question 4

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

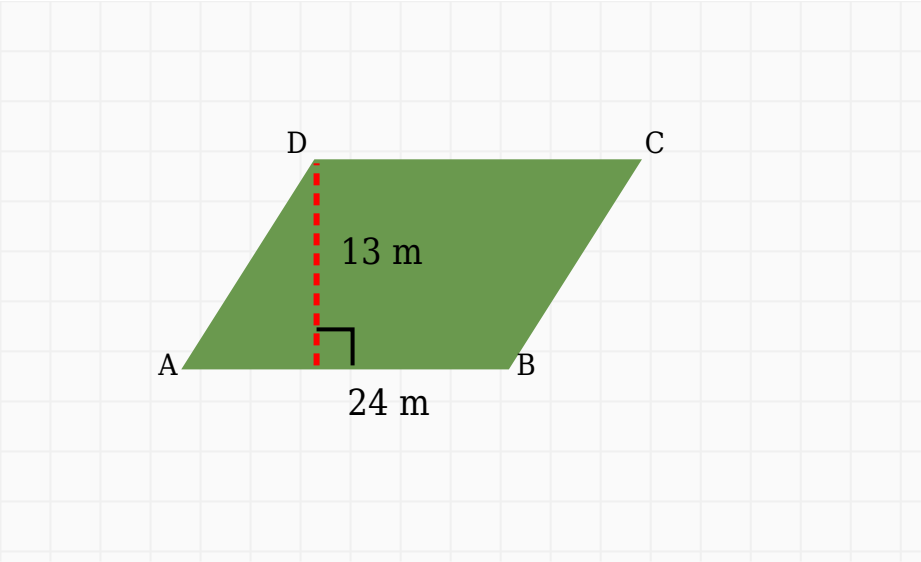
Area = 18 × 8

Area = 144 m²

Answer: 144 m²

Question 5

Calculate the area of the parallelogram shown below.



Solution:

Formula:
Area = Base × Height

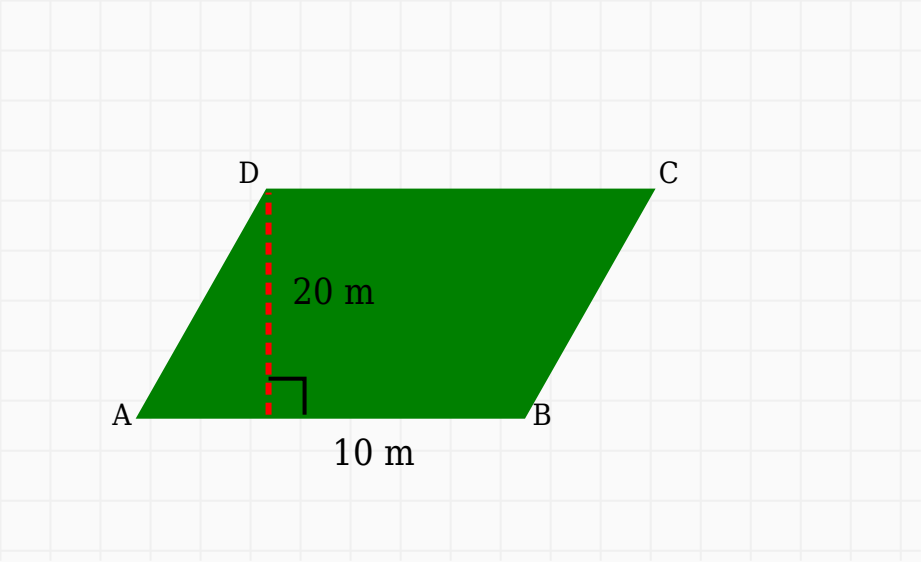
Area = 24 × 13

Area = 312 m²

Answer: 312 m²

Question 6

Find the area of a parallelogram with base 10 m and height 20 m.



Solution:

Formula:
Area = Base × Height

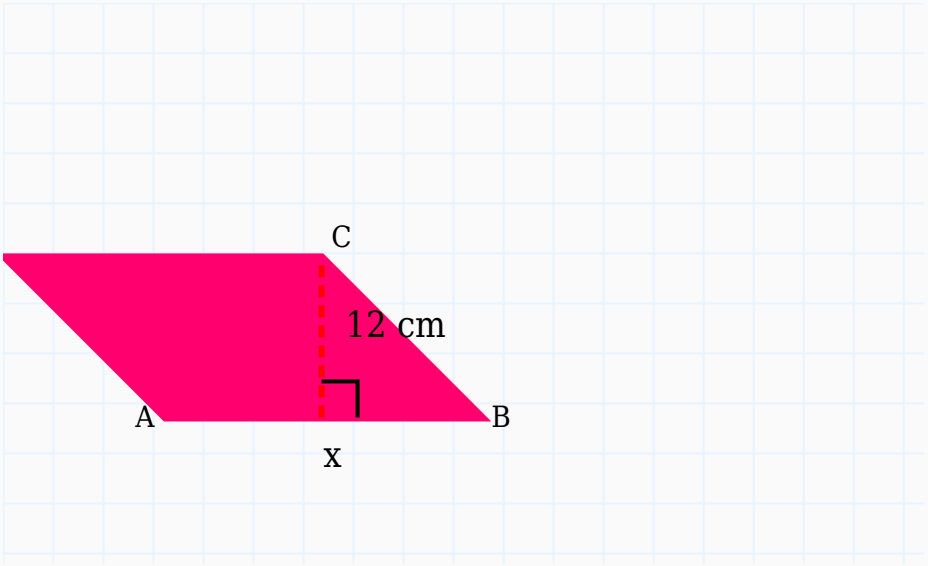
Area = 10 × 20

Area = 200 m²

Answer: 200 m²

Question 7

The area of a parallelogram is 72 cm² and height is 12 cm. Find the base.



Solution:

Formula:
Base = Area ÷ Height

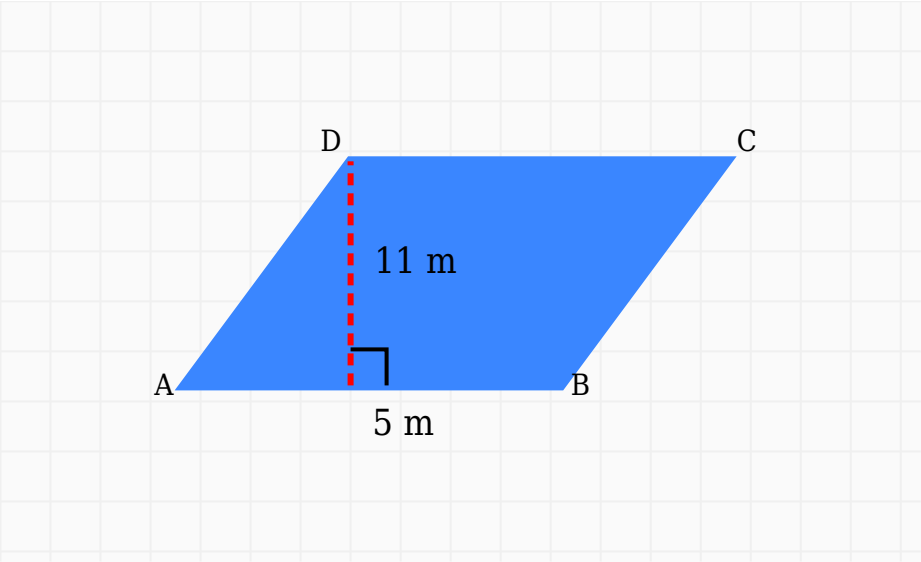
Base = 72 ÷ 12

Base = 6 cm

Answer: 6 cm

Question 8

Calculate the area of the parallelogram shown below.



Solution:

Formula:
Area = Base × Height

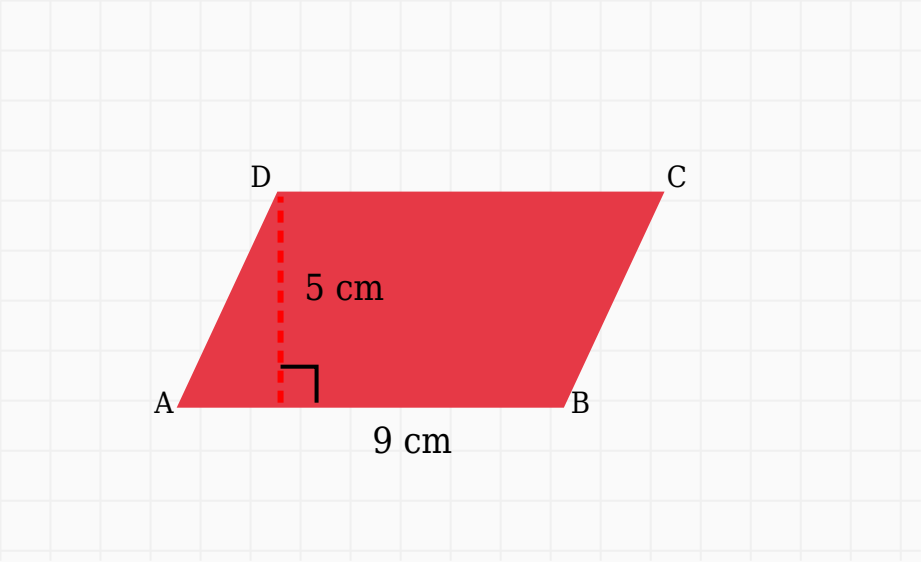
Area = 5 × 11

Area = 55 m²

Answer: 55 m²

Question 9

A parallelogram has base 9 cm and perpendicular height 5 cm. Find its area.



Solution:

Formula:
Area = Base × Height

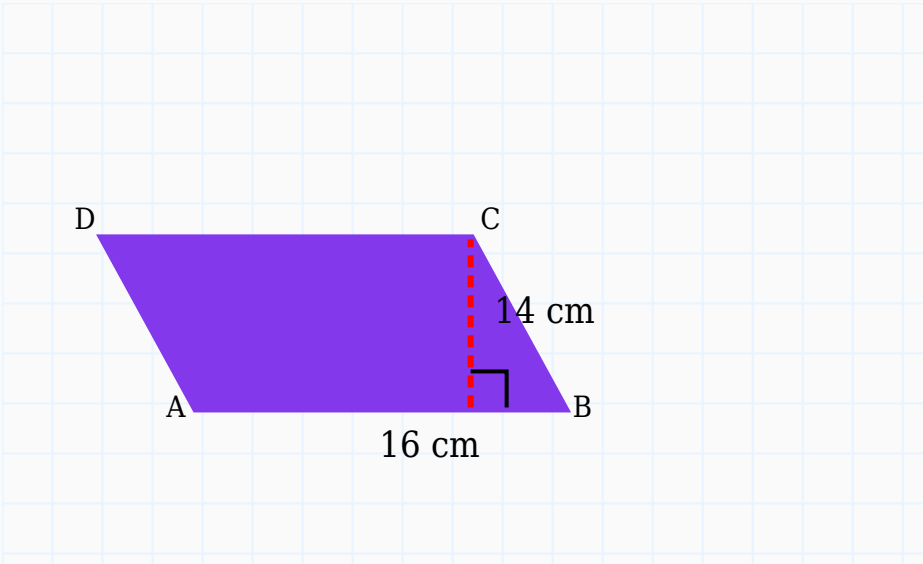
Area = 9 × 5

Area = 45 cm²

Answer: 45 cm²

Question 10

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

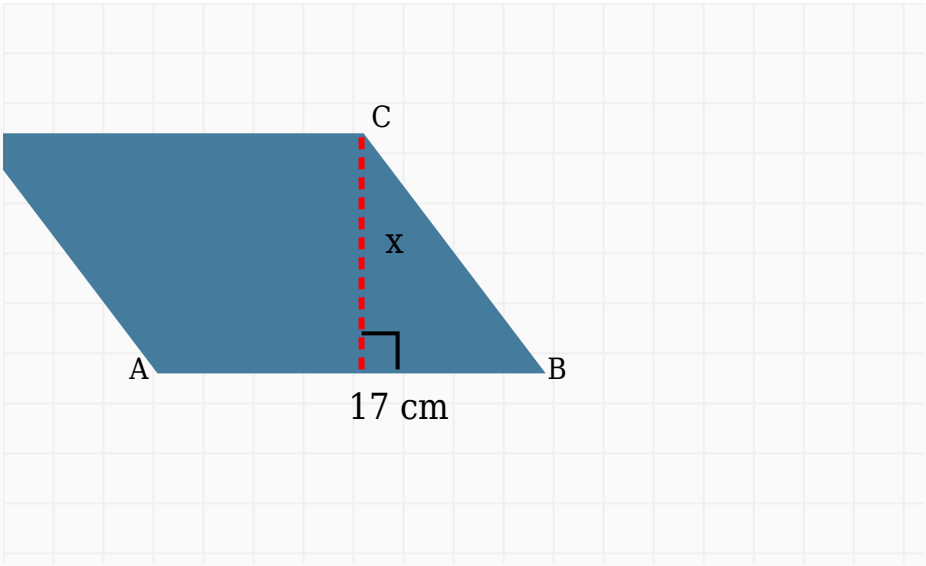
Area = 16 × 14

Area = 224 cm²

Answer: 224 cm²

Question 11

Calculate the height of a parallelogram having area 289 cm² and base 17 cm.



Solution:

Formula:
Height = Area ÷ Base

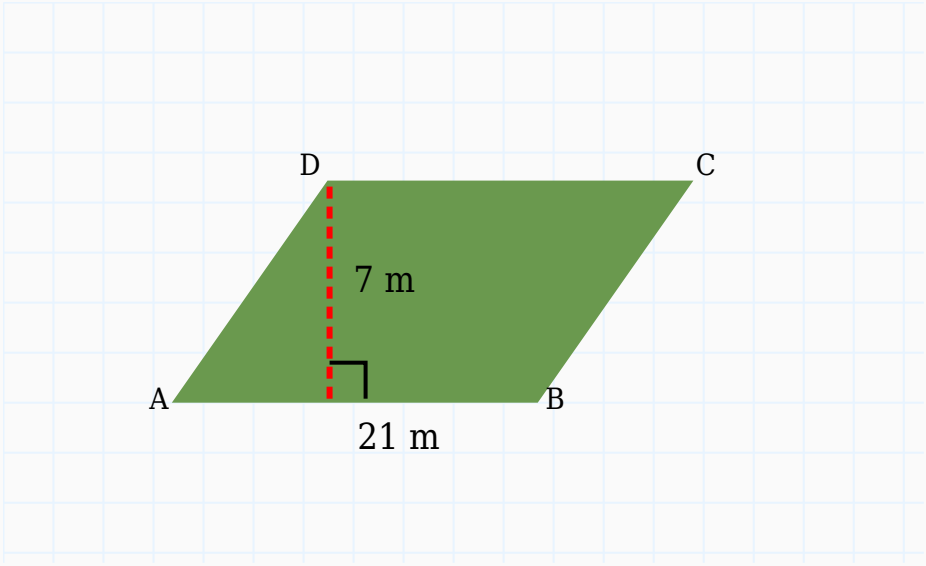
Height = 289 ÷ 17

Height = 17 cm

Answer: 17 cm

Question 12

Calculate the area of the parallelogram shown below.



Solution:

Formula:
Area = Base × Height

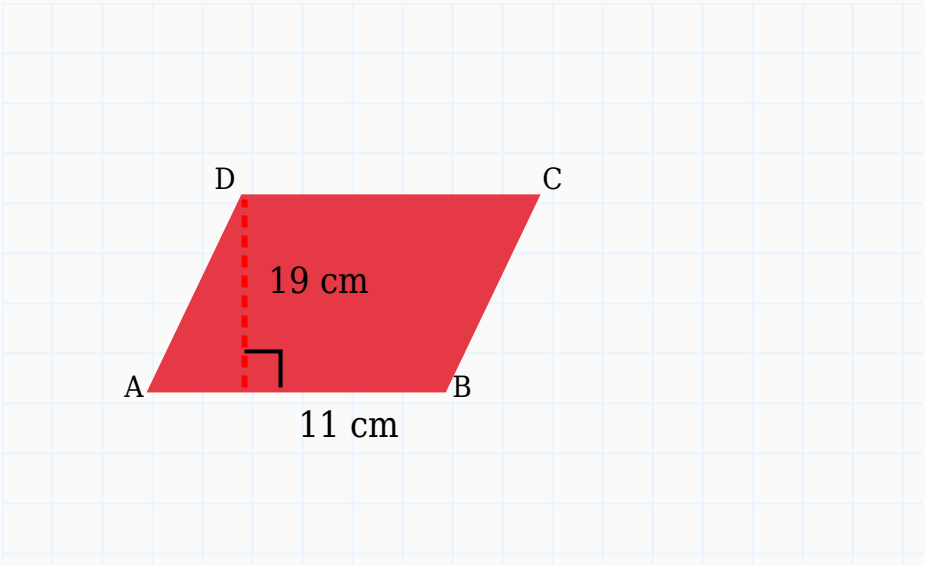
Area = 21 × 7

Area = 147 m²

Answer: 147 m²

Question 13

A parallelogram has base 11 cm and perpendicular height 19 cm. Find its area.



Solution:

Formula:
Area = Base × Height

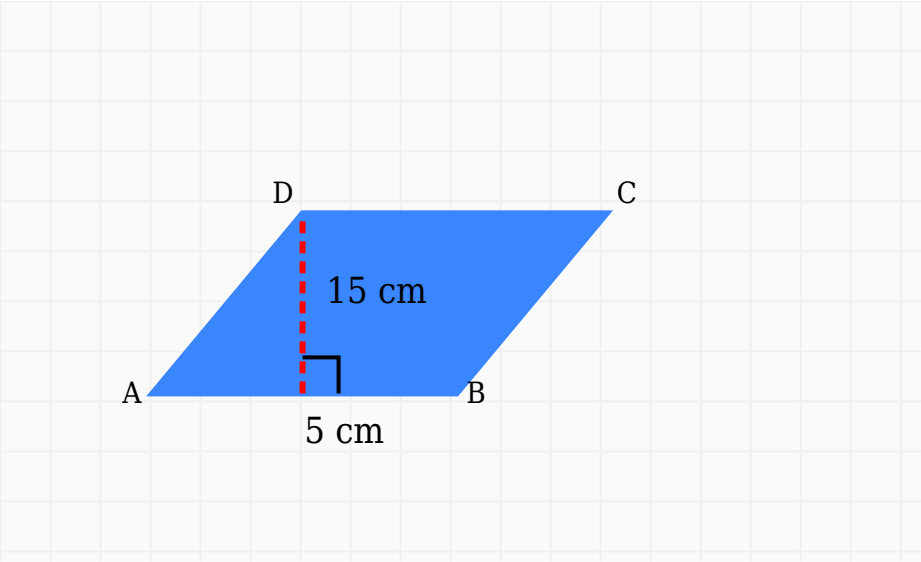
Area = 11 × 19

Area = 209 cm²

Answer: 209 cm²

Question 14

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

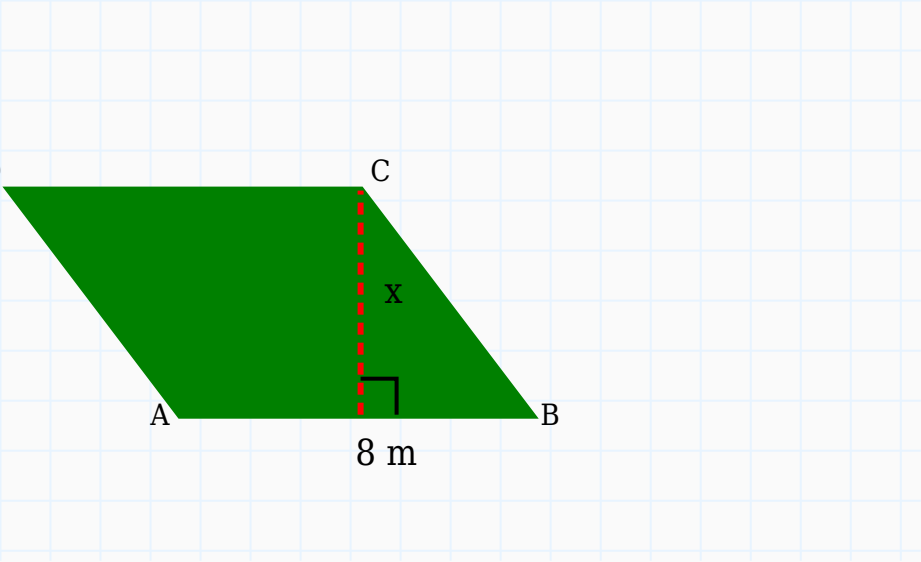
Area = 5 × 15

Area = 75 cm²

Answer: 75 cm²

Question 15

Calculate the height of a parallelogram having area 144 m² and base 8 m.



Solution:

Formula:
Height = Area ÷ Base

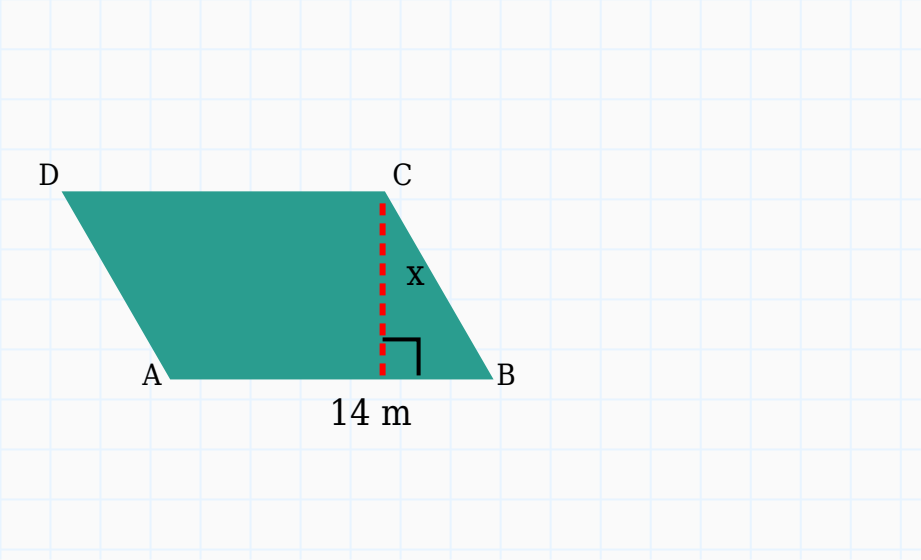
Height = 144 ÷ 8

Height = 18 m

Answer: 18 m

Question 16

The area of a parallelogram is 98 m² and base is 14 m. Find the height.



Solution:

Formula:
Height = Area ÷ Base

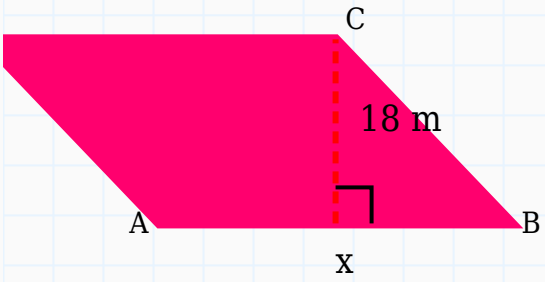
Height = 98 ÷ 14

Height = 7 m

Answer: 7 m

Question 17

A parallelogram has area 90 m² and perpendicular height 18 m. Calculate the base.



Solution:

Formula:
Base = Area ÷ Height

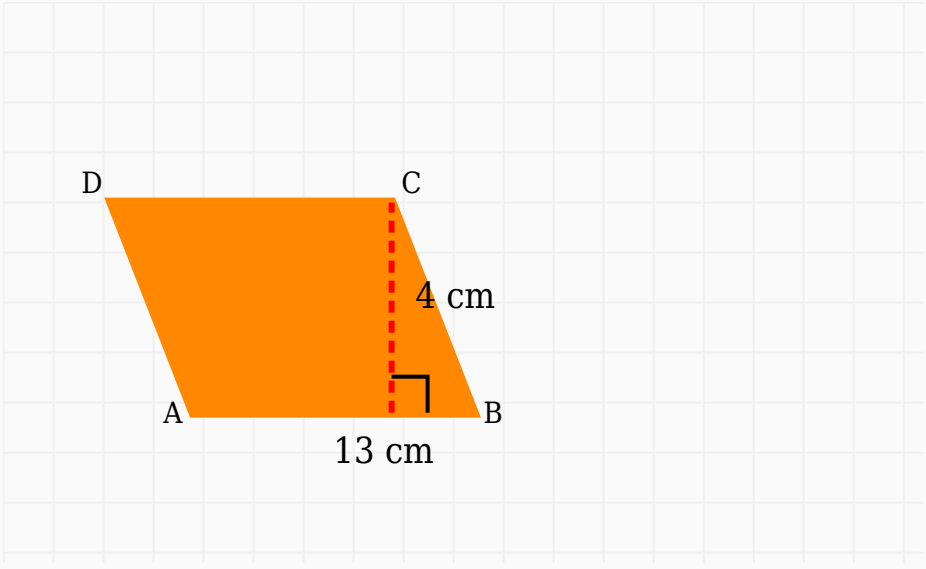
Base = 90 ÷ 18

Base = 5 m

Answer: 5 m

Question 18

Determine the area of the following parallelogram.



Solution:

Formula:
Area = Base × Height

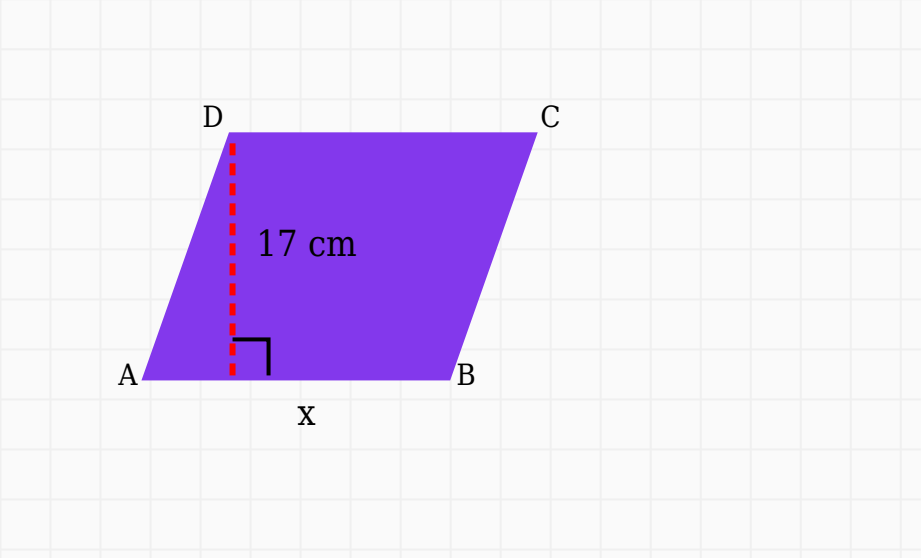
Area = 13 × 4

Area = 52 cm²

Answer: 52 cm²

Question 19

A parallelogram has area 306 cm² and perpendicular height 17 cm. Calculate the base.



Solution:

Formula:
Base = Area ÷ Height

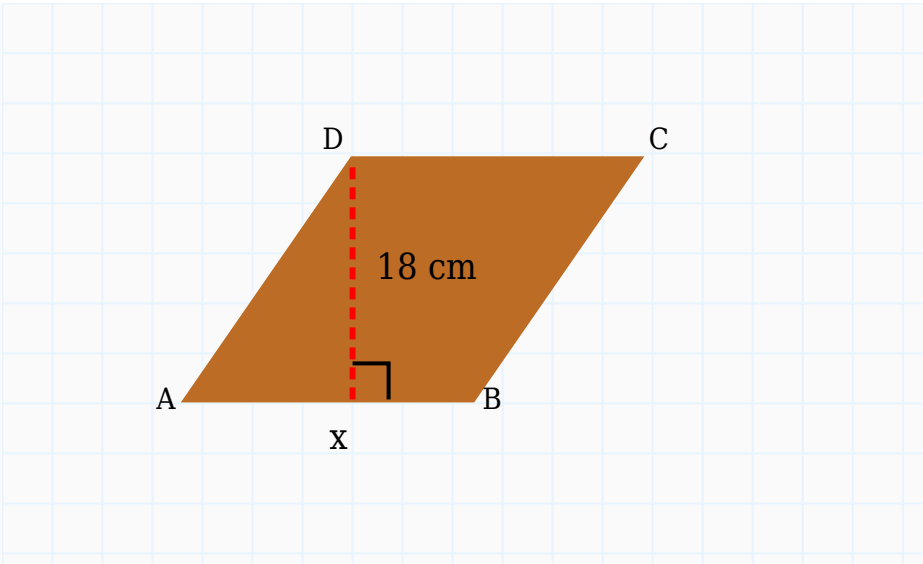
Base = 306 ÷ 17

Base = 18 cm

Answer: 18 cm

Question 20

The area of a parallelogram is 450 cm² and height is 18 cm. Find the base.



Solution:

Formula:
Base = Area ÷ Height

Base = 450 ÷ 18

Base = 25 cm

Answer: 25 cm